

## Another simulation for Barber Saloon (Sleeping Barber) in java

```
import java.util.concurrent.Semaphore;

public class BarberSaloon3 extends Thread{
    // *** for panel control configs ***
    static final int nClients= 16; // nr of clients
    static final int nChairs=5; // nr of chairs (barber chair also)
    //e.g., 1 chair for barber + 3 for clients waiting => 4 chairs permanently available
    static final int minTimeHairCut=1500; // 15 minutes simulation
    static final int variableTimeCut=1500; // 1500ms => 15 minutes
    static final int maxTimeBetweenCuts=100; // short pause
    // static final int maxTimeBetweenClients=500; // busy saloon => e.g.:5 minutes
    static final int maxTimeBetweenClients=12000; //calmer saloon => e.g.: 120 minutes
    static final int MaxClientAttemptsToCutHair=3;
    static final int pauseBeforeJoins = (int)(0.5*nClients*minTimeHairCut);
    static int freeChairs= nChairs; // in the begin, all chairs are free (available)
    static int nrClientsDeparted= 0;
    static int nrHairCutsDone= 0;

        //3 semaphores are needed:

    Semaphore semafMutex=new Semaphore(1);
        // semafMutex controls access to shared variable freeChairs
        // no Resource semaphore(4): it doesn't guarantee an order FIFO

    Semaphore semafBarberReady = new Semaphore(0);
        // when Barber is ready for new client semafBarberReady:=1

    Semaphore semafSaloonNotEmpty=new Semaphore(0); //begin: it's empty, false => 0
        // if saloon has clients semafSaloonNotEmpty:=1

    public Semaphore getSemaMutex() { return semafMutex; }
    public Semaphore getSemaSaloonNotEmpty() { return semafSaloonNotEmpty; }
    public void setSemaSaloonNotEmpty(Semaphore semafSaloonNotEmpty) {
        this.semafSaloonNotEmpty = semafSaloonNotEmpty; }
    public void setSemaMutex(Semaphore semafMutex) {
        this.semafMutex = semafMutex;}
    public Semaphore getSemaBarberReady(){ return semafBarberReady; }
    public void setSemaBarberReady(Semaphore semafBarberReady) {
        this.semafBarberReady = semafBarberReady; }

    // getters and setters
```

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```
public static int getNrHairCutsDone() { return nrHairCutsDone; }

public static void setNrHairCutsDone(int nrHairCutsDone) {
    BarberSaloon3.nrHairCutsDone = nrHairCutsDone;}

public static int getnrClientsDeparted() { return nrClientsDeparted;}

public static void setnrClientsDeparted(int nrClientsDeparted) {
    BarberSaloon3.nrClientsDeparted = nrClientsDeparted;}

public static int getFreeChairs() { return freeChairs; }

public static void setFreeChairs(int freeChairs) {
    BarberSaloon3.freeChairs = freeChairs;}

private void displayIntro() {
    System.out.println(" *** Barber Saloon Simulation *** ");
    System.out.println("\n *** Parameters (panel of configuration) ***
");
    System.out.println("\n nClients= "+ nClients + ", the nr total of clients ");
    System.out.println(" nChairs= " + nChairs + ", the nr total of chairs (=> barber chair
included).");
    System.out.println(" minTimeHairCut= "+(double) (minTimeHairCut/100.0)+"", the minimum fixed time
for hair cut (minutes).");
    System.out.println(" variableTimeCut= "+(double) (variableTimeCut/100.0)+"", for max variable time in
hair cut (minutes).");
    System.out.println(" maxTimeBetweenCuts= "+(double) (maxTimeBetweenCuts/100.0)+"", for max time between
hair cuts (minutes).");
    System.out.println(" maxTimeBetweenClients= "+(double) (maxTimeBetweenClients/100.0)+"", for max arrival
time between 2 clients (minutes).");
    System.out.println(" pauseBeforeJoins= "+(int)(pauseBeforeJoins/100.0) + ", the pause main thread do
before doing final joins (minutes).");
    System.out.println(" MaxClientAttemptsToCutHair= "+MaxClientAttemptsToCutHair + ", the nr total of
attempts to cut hair per client. ");
    System.out.println("\n\n *** Begin Simulation Barber Saloon (Sleeping Barber) *** \n");
};

public BarberSaloon3() {} //constructor

public static void main(String[] args) {
    BarberSaloon3 bs= new BarberSaloon3();bs.start();}

private void startClientThreads(Client[] c, Barber b) {
    for(int i=0;i< nClients;i++) {
        c[i]=new Client(i,b); c[i].start();
        try {Thread.sleep((int)(Math.random()*maxTimeBetweenClients));}
        catch(InterruptedException e) {};
```

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```

    }
}

private void clientsJoinedSummary(Client[] c) {

    try {Thread.sleep(pauseBeforeJoins );} catch(Exception e) {};

    while (getnrClientsDeparted())<nClients)

        try {Thread.sleep((int)(maxTimeBetweenClients));} catch(Exception e) {};

    try{System.out.println ("\n *** Summary of Clients (threads) finished (joined) *** "); }
    catch(Exception e) {};

    for(int i=0;i< nClients;i++) {

        try { c[i].join();

            if ((i%2)>0) System.out.print ("Client id: "+i+" finished => thread joined. ");

            else System.out.print ("\n Client id: "+i+" finished => thread joined. ");

            } catch(InterruptedException e) {};

        }

        System.out.println ("\n\n **** End Simulation ****\n");

        System.out.println
("*****\n\n\n");
    }

}

public void run() {

    displayIntro(); Barber b= new Barber(); b.start();

    Client [] c =new Client[ nClients]; // thread pool

    startClientThreads(c, b); clientsJoinedSummary(c);

    System.exit(1); //end program

}

public class Barber extends Thread{ // class Barber

private int timeCut=0;

private Client barberClient=null;

public int getTimeCut() { return timeCut; }

public void setTimeCut(int timeCut) { this.timeCut = timeCut;}

public Barber() {} //constructor

public Client getBarberClient() { return barberClient;}

public void setBarberClient(Client barberClient){this.barberClient = barberClient;}

private void barberCutHair() {

    Client c= null; int pause =(int)(Math.random()*maxTimeBetweenCuts);

    // try to get client

    if (getFreeChairs()==nChairs)

```

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```

        System.out.print ("\n >>>> Barber maybe sleeps... saloon calm... Free chairs were "+
nChairs + ". ");

        try {getSemafSaloonNotEmpty().acquire();} catch(Exception e) {};

        while (c==null) { // barber has already a client via semafSaloonNotEmpty => get it...

            try {

                c= getBarberClient();

                if ((c!= null)&&(c.getTimeCut())>0)&&(c.isCut()==false)) {

                    System.out.print ("\n Barber begins hair cut of "+ (double)
c.getTimeCut()/100 + " minutes. ClientId: "+c.getClientId()+" Freechairs =
"+getFreeChairs()+" Cut? " + c.isCut() + ".");

                    Thread.sleep(c.getTimeCut());

                }

                else { System.out.print ("\n >>>> Barber Ready, but Client not Ready. + " +
" Barber sleeps/pauses "+(double)(pause/100.0) +" minutes..."); }

            }catch(Exception e) {/" Exception: " + e.getMessage() + {System.out.print(" Client was
"+e.getMessage()+".");};

            try {Thread.sleep(pause);} catch(InterruptedException e) {};

        }

    }

    public void run() { //begin: Barber gets ready

        try {getSemafBarberReady().release();}catch(Exception e) {};

        while(true) { barberCutHair(); }

        } // end run()

    } // end inner class Barber

```



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```
public class Client extends Thread{ // class Client
    private int clientId;
    private Barber b;
    private boolean cut = false; //begin: hair is not cut
    private int timeCut; // timeCut (ms). Used to simulates time of Cut in minutes
    public int getClientId() { return clientId;}
    public void setClientId(int clientId) { this.clientId = clientId;}
    public Client(int i, Barber b) { clientId=i; this.b=b; }
    public int getTimeCut() { return timeCut; }
    public void setTimeCut(int timeCut) {this.timeCut = timeCut; }

    public Barber getB() { return b; }
    public void setB(Barber b) { this.b = b; }

    public void setCut(boolean cut) { this.cut = cut; }
    public boolean isCut() { return cut;}

    private void clientGetHairCut() {
        setTimeCut((int)(minTimeHairCut+ Math.random() * variableTimeCut));

        // random timecut; but it's the same timecut for client and for the barber
        try { b.setBarberClient(this);Thread.sleep((int)(Math.random()*maxTimeBetweenCuts));}
        catch(Exception e){};

        System.out.print ("\n Client id="+getClientId() + " begins hair cut of "
+ (double) (getTimeCut()/100.0) + " minutes.");

        try { Thread.sleep(getTimeCut());} catch(InterruptedException e) {};
        try {getSemafMutex().acquire();} catch(Exception e) {};

        setFreeChairs(getFreeChairs()+1); //freeChairs++;

        this.cut= true; BarberSaloon3.setNrHairCutsDone(BarberSaloon3.getNrHairCutsDone()+1);

        System.out.print ("\n Client id="+getClientId()+" ends hair cut of " +
(double)(getTimeCut()/100.0) +
" minutes. Now: Freechairs = " + getFreeChairs() + ". Now: Nr Hair Cuts Done = " +
BarberSaloon3.getNrHairCutsDone()+".");

        try {getSemafMutex().release();} catch(Exception e) {};
    }

    private void displayTextClientArrives(int count) {
        String s; s="\n Client id= " + getClientId() + " arrives";
        if (count==1) { s+="."; } else { s+=" again."; }
        System.out.print (s);
    }
}
```

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```
}

public void run() {

    int trials=1; // nr of attempts of client in order to get hair cut
    while ((isCut()==false)&&(trials<=MaxClientAttemptsToCutHair)) {
        try {
            displayTextClientArrives(trials);

            //semaphMutex: to control access to nr of free chairs
            try { getSemaphMutex().acquire(); } catch(Exception e) {};

            if (freeChairs> 0) {
                setFreeChairs(getFreeChairs()-1); //freeChairs--;
                try {getSemaphSaloonNotEmpty().release();} catch(Exception e) {};
                System.out.print (" Client id="+ getClientId() + " seats and waits.
Freechairs = " + getFreeChairs() + ". Trials:" + trials + ".");
                try {getSemaphMutex().release();} catch(Exception e) {};
                try {getSemaphBarberReady().acquire();} catch(Exception e) {};
                clientGetHairCut(); // hair cut; it also increases nr of free chairs
                // syncro: next client only gets hair cut after this client leaves barber
chair
                try {getSemaphBarberReady().release();} catch(Exception e) {};
            }
        }
        else {// assumption: client comes a bit later, up to MaxClientAttemptsToCutHair
times...
            try {getSemaphMutex().release();} catch(Exception e) {};

            System.out.println (" Saloon full. Client id=" + getClientId() + " comes
maybe later. Freechairs = " + getFreeChairs() + ". Trials: "+trials+ ".");
            if(trials<MaxClientAttemptsToCutHair)
                try {Thread.sleep((int)( Math.random()*2*minTimeHairCut) );}
                catch(Exception e) {};
            }
            trials++;
        }
        catch(Exception e) {};
    }
    setnrClientsDeparted(getnrClientsDeparted()+1);
}
```

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```
System.out.println ("\n *** Client id="+getClientId()+" departed. Freechairs = " +
getFreeChairs() + ". Hair cut?" + isCut() + ". Trials? " + (int) (trials-1) + ". Clients
departed: " + getnrClientsDeparted() + " *** ");

} // end run()

} // end inner class Client

} // end BarberSaloon3 class
```

Web: <http://www.christianideas.eu> Catholic Russia Converted Ideas, made in Belgium Our Lady Of the Roses Honored / Exposed and the Death (possibly) Doesn't Come Inside Traduction Chrome Google, instructions en top de page (image available at [www.christianideas.eu](http://www.christianideas.eu), if not visible)



Summary (of <http://www.christianideas.eu/#about>):

1. ICON OF AUTOMATIC ETERNAL SALVATION (also above)
2. **THOSE WHO TRUST\* 100% IN JESUS, through THIS PICTURE, SHALL BE SAVED** (a Jesus of St Faustina with rays blue and red)
3. \* - WATCH OUT: IF YOU ACCEPT THE MARK 666 IN the BODY (an electronic chip in the hand or in the forehead) OR IF YOU WORSHIP THE ANTICHRIST OR HIS IMAGE, YOU FINISH IN HELL, as the book of the Apocalypse 14:9-11 says, EVEN IF YOU HONOR A DIVINE MERCY JESUS of Saint Faustina, with full trust...
- 4.
5. Idea to Become Rich, in a Pro God Way
6. Traps for Rich and For the Holy Host



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- 7.
8. DISCERNMENT, e.g, the True Faith is Catholic Conservative Non Naive. The Incorruptible Miraculous Corpses of the Catholic Saints (padre Pio) + the Holy Blood of Jesus show the Will of God for the Doctrine and the Authority of the Time. Doctrine: Catholic Roman Conservative and Authority: still the Pope.
- 9.
10. Danger of Apocalypse (Prophecy of S. Malachy): risk of the Sect New Age in Rome=> the Apocalypse... => it's better to be in state of grace and / or to go to Confession, asap, to Catholic Priest (after Benedict XVI), in case of sin, + to pray a Rosary, in the required conditions (to get a plenary\* indulgence), to be a good practicing Catholic Conservative, to pray the daily Rosary (against the rest of evil).
- 11.\* - with the reject of all sins, for the good intentions of the pope, in church, community or family. If it's not in church, community or family, pray it several times, to have the same effect...
- 12.
13. Risk of Great Famine => News from heaven +/- serious to, e.g., Wings of Prophecy, L. de Maria, J. Leary...
- 14.
15. Ideas (pro God) to (try) to resist the Great Famine:
  - a. St Onofre, with a Crumb of Bread
  - b. Blessed grapes of L. de Maria + S. Damian
- 16.
17. MODERN LIES unmasked
18. (Lies of Darwinism, Fake Dates...): **History + Demographics, since 2000BC, unmask the fake dates: the Earth was almost empty, after the Great Flood. Hominids were hybrids, which existed before the Great Flood**, confirms Jesus at at the old web site from V. De Tarlé, apparitionsmariales.org ... **proactive Darwinism: ~mouse evolves to => bat=> vampire, thus, the ancestor of the man / whale, etc., goes to=> Batman=> Dracula, in the same ~millions of years...**
- 19.
20. Migrations based in Y Haplogroups (DNA) tend to proof that Atlantis sank => Ice Ages, before the time of Moses? 'Science & Bible I' Theory



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21.

22. DANGER OF Apocalypse:

CHIP 666 IN BODY, WW3, dangerous vaccines, “good” sect New Age, THE GLOBAL EMPIRE SOCIALIST COMMUNIST OF the ANTICHRIST... => lots of apocalyptic prophecy at [www.tldm.org](http://www.tldm.org) (for scenario 'Russia Not Converted')

23.

24. PROTECTIONS against EVIL

25. E.g., daily attentive Rosary (a bit hard). Alternatively, pray the daily rosary twice or go to the daily mass + pray the daily rosary, as members of Opus Dei do... but some suffering needed, sorry!

26.

27. IMMORTALITY SUGGESTION

28. **TO PRAY GOD FOR the ETERNAL SALVATION OF THOSE WHO NEED IT MOST, 'only' CALMS DANGERS FOR LIFE.**

*You have nothing to lose, with a correct use, if you feel dying, even if the formula is limited...*

**but: abuses risk to be severely punished**

**after: begin discreet fast + attentive daily prayer (as the Rosary), until it calms / improves**  
=> OK not so easy, but it's better than cancer operations, (1-4 days should calm grippe, + whiskey, at the bottom of the glass, to disinfect.....)

26.

27. GLBT + Modern Sex BEHAVIORS UNHEALTHY, even KILL

28. **It's possible to attack the subconscious, e.g., via discreet witchcraft... => Nero case study... risks of detached intestine...**

29.

30. ~3.5 BILLION MURDERS, Through Abortions, SINCE ~1960

31. **The ABORTION Horrors...**

32.

33. IDEAS AGAINST Evil, e.g., against AGING & GRIPPE / Pest

34. **Fast & prayer (good against EVIL => Medjugorje) until it calms...(Discreet Fast & Prayer, in secret or in solidarity group, prayer as the (attentive daily) Rosary or the daily Rosary 2x)... some food may help: avoid white sugars (fruits, honey, Stevia are better, if sweet**

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food needed), but 1/8 glass whiskey or vodka (=> let it act a few minutes, in the throat... to disinfect...), 1/8 glass vinegar, 2 cloves raw good garlic mixed, e.g., in salad, to help to counter pest... + [Immortality Suggestion](#), in dramatic cases, to try to calm a bit, and, in place of dying, to win forces, to pray a Rosary / 7 sorrows... + Our Lady of the Roses Honored / Exposed and the Death (possibly) doesn't Come Inside. + details: links above, below

35.

36. **VACCINES TO BE AVOIDED**. Alternatives: Protections against the Apocalypse + Formula 'Fast & Prayer' (please see above)

37.

38. [IDEAS FOR A BETTER LOOK \(Ladies & Veil\)](#)

39. The Dream Lady is the Beautiful Blond Lady with Blue Eyes. Now it is Aesthetics. It is like the woman who marries with poor man or poorer man. It's better than nothing, but it bothers. [Comparative Tables](#) in the section '[Our Lady of Fatima deserves a better Look](#)'

40.

41. [~3 BILLIONS MURDERS, Through Discreet Witchcraft, Since ~1960!!!](#)

42.

43. [MODERN WOMAN IDEOLOGY UNMASKED](#)

44. Demographic Fall in the West (+ Russia)... statistics (1950 or) 1970-2023: [Germany x India](#)...

45.

46. [LINKS TO some HEAVEN NEWS](#)

47.

48. **Censored on X / Twitter**: [@\\_ChristianIdeas](#) and **on Facebook** (before: <https://www.facebook.com/christian.ideas> )

49.

50. [Possible](#): T shirts Posters "Songs" Christian Ideas and / or Russia Converted Catholic Ideas ('made in Belgium') ...

51.

52. [O Livro Digital, em Português, "Mistérios da Bíblia Revelados", já está Disponível.](#)

53.

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54. [Ideas Against Cancer](#)

55.

56. [School](#) (e.g., Computer Science, Maths: exercises, complements to the Wikipedia...)

57.

58. [www.christianideas.eu](http://www.christianideas.eu) Near Invisible in the Internet: Small Probabilities to find this Web site, e.g., via Google...

59.

60. [Christian Ideas at LinkedIn](#)

(<https://be.linkedin.com/in/christian-ideas-104ba893>)

### If You Want to Defend Good,

[PROTECTIONS against EVIL](#) (+ take cross) Recommended:

- [IMMORTALITY SUGGESTION](#), correct use, in the 1<sup>st</sup> Sign of Danger; More information, in the Chapter 'Against Death'

- To Do a [CONTRACT WITH GOD \(ICON of the AUTOMATIC SALVATION\\*, THROUGH DIVINE MERCY\)](#), available, e.g., at the picture above, right),

+

- to Pray, everyday (better: Attentively):

- the [7 sorrows of Mary \(small prayer\)](#)

- the Rosary\*\*, 2x (or more)

- the Crusade Prayer 140, **against FEARS**,

- the Crusade Prayer 33, the short [Amsterdam prayer](#) (against catastrophes), etc.

- *to be clean of sins or to go to Confession, to the Catholic priest and to pray a Rosary, under the conditions required for a plenary indulgence\*\*, as soon as possible...*

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+ details, at [www.christianideas.eu](http://www.christianideas.eu), e.g., at the Chapter 'Protections against Evil'; short prayers also below )

\* - However, if the Concerned Person Submits to the Antichrist, this Promise is not Valid anymore...

\*\* - it's better to pray the Rosary, in church, family or community, with rejection of all the sins, in state of grace, praying for the (good) intentions of the pope, in order to try to get a plenary indulgence...

*I try to pray for the protection of all the pro God of the planet, until 00:00h, to try to disinfect, but it's better to complement it with 24h protective prayer, e.g., the attentive Rosary or (easier / shorter) the 7 sorrows (here below).*

*Satan demanded to God 75 - 100 years, + Money + Power, in order to destroy the Vatican => [www.tldm.org](http://www.tldm.org).*

*Satan had that time, that money and that power. ~140 years later, despite the dangers + the evil, the Vatican still resists. Let us see evolution... ??? Apocalyptic? Reversal pro God (again)???*

*Evil doesn't triumph anymore, since ~2023, but Apocalyptic temptation persists. There's still, thus, Danger of Apocalypse, in the next ~50 years (if Apocalypse doesn't happens).*

The best prepared (good prepared) are protected. The best is to prepare your self, asap, to try to be protected. More information, in the section 'How To Be Ready to Enter in the Paradise of God?' from the Chapter 'Discernment'.

Praying this small prayer, the Crusade prayer 33, from the Seal of the Living God (better to download it also), seems to give protection from God, up to 00:00h, to you and your dear ones. The Crusade Prayer 33 follows:

"O my God, my loving Father, I accept with love and gratitude Your Divine Seal of Protection.

Your Divinity encompasses my body and soul for eternity.

I bow in humble thanksgiving and offer my deep love and loyalty to You, my beloved Father.

I beg You to protect me and my loved ones with this special Seal and I pledge my life to Your service forever and ever. I love You, dear Father. I console You in these times, dear Father.

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I offer You the Body, Blood, Soul and Divinity of Your dearly beloved Son, in atonement for the sins of the world and for the salvation of all Your children. Amen.”

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THE SEVEN SORROWS of Mary is a short prayer which doesn't allow evil to triumph, during 24h. The prayer consists of 7 Hail Marys, with sorrows: each hail Mary with a meditation (sorrow). The sorrows:

1. The prophecy of Simeon: Jesus would be polemic and thoughts of Mary public
2. The flight into Egypt, to protect baby God from king Herode
3. Child Jesus lost during 3 days (temple Jerusalem).
4. Way of the Cross.
5. Death of Jesus in cross.
6. Descent of the Body of Jesus from the Cross.
7. The burial of Jesus.

The Hail Mary:

"Hail Mary, full of grace, the Lord is with thee:

blessed art thou amongst women and blessed is the fruit of thy womb, Jesus.

Holy Mary, Mother of God, pray for us sinners now and at the hour of our death. Amen."

(Sources: <http://www.olrl.org/pray/> + [www.tldm.org](http://www.tldm.org))